

**NBC-BUILDING PROTECTION SYSTEM AND METHOD****ABSTRACT**

The invention provides a combined building air-conditioning unit and NBC protection system, containing an enclosed space housing a building air-conditioning unit and further including a plurality of chambers, a first chamber having an ambient air inlet port, one prefilter and a blower for sucking air through the prefilter, a second chamber having valve means including an open and closed state, receiving air from the blower and accommodating a C-detector and a valve means actuator, responsive, at least indirectly to, and operable by, the C-detector, and a third chamber housing at least one C-filter and a blower for sucking air from the second chamber via the C-filter into the building when the valve means is in its closed state. A method for economically controlling air purity within a protected space is also provided.